

PRODUCT DESCRIPTION

PP H451 IM/2 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow range, a special stabilization package with clarifying agent for high-speed Injection Moulding applications. It provides high transparency and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H451 IM/2 is specially recommended for highly transparent articles manufactured by Injection Moulding. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
Rheology Melt Flow Rate (230 °C/2.16 kg)	GOST 11645 (similar to ISO 1133)	45 g/10 min
Mechanical Tensile Stress at Yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	34 MPa
Elongation at Yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	10 %
Flexural modulus (5 mm/min)	GOST 9550 (similar to ISO 178)	1400 MPa
Notched Izod impact strength (23 °C)	GOST 19109 (similar to ISO 180)	2.0 kJ/m ²
Thermal Vicat Softening Temperature (10 N)	GOST 15088 (similar to ISO 306)	155 °C
Heat deflection temperature (1.8 MPa)	GOST 12021 (similar to ISO 75)	60 °C

*Typical values; not for specification.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

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